

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: 5649-955DV

DATE: November 17, 2003

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER
AND FEE TRANSMITTAL FORM (37 CFR § 1.53(b))**

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Sir:

Transmitted herewith for filing under 37 CFR § 1.53(b) is:

- ☐ a patent application
☐ a Continuation ☒ a Divisional ☐ a Continuation-in-Part (CIP) Application of prior application no.: 10/180,277; filed June 26, 2002, the disclosure of which is incorporated herein by reference in its entirety.
☐ and claims the benefit of Provisional Application No. _____; filed _____.

Inventor(s) or Application Identifier:

Jae-hyun Joo, Wan-don Kim, Seok-jun Won, Soon-yeon Park

Entitled: **INTEGRATED CIRCUIT METAL-INSULATOR-METAL CAPACITORS
INCLUDING HEMISPHERICAL GRAIN LUMPS**

Myers Bigel Sibley & Sajovec, P.A.
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Raleigh, North Carolina 27627
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Customer No. 20792

Enclosed are:

1. ☒ Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. ☒ **20** pages of Specification (including **18** claims)
3. ☒ **12** sheets of Formal Drawings (35 USC 113)
4. ☒ Oath or Declaration
 - a. ☐ newly executed (*original or copy*)
 - b. ☒ copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*) [Note Box 6 Below]
 - c. ☐ DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5. ☐ Application Data Sheet. See 37 CFR 1.76
6. ☒ Incorporation By Reference (*useable if box 4b is checked*)

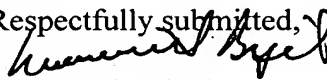
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

7. ☐ Microfiche Computer Program (*Appendix*)
8. ☐ Assignment papers (*cover sheet(s) and document(s)*)
9. ☐ Applicant claims small entity status. See 37 CFR § 1.27.
10. ☒ Information Disclosure Statement and PTO-1449
11. ☐ Preliminary Amendment (***Please enter all claim amendments prior to calculating the filing fee.***)
12. ☐ English Translation Document
13. ☐ Certified Copy of Application No. ; Filed
14. ☐ Sequence Listing/ Sequence Listing Diskette
 - a. ☐ computer readable copy
 - b. ☐ paper copy
 - c. ☐ statement in support
15. ☐ An Associate Power of Attorney
16. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
17. ☐ Deletion of Inventors(s) (Signed statement attached deleting inventor(s) name in the prior application. See 37 CFR 1.63(d)(2) and 1.33(b).
18. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form.
19. ☒ Other: **Remarks Accompanying Divisional Application**

The fee has been calculated as shown below:

	Column 1 No. Filed	Column 2 No. Extra	Small Entity Rate Fee	Large Entity Rate Fee
BASIC FEE			\$385.00	\$ 770.00
TOTAL CLAIMS	18 - 20 =	0	x 09 = \$	x 18 = \$
INDEP CLAIMS	2 - 3 =	0	x 43 = \$	x 86 = \$
<input type="checkbox"/> MULTIPLE Dependent Claims Presented			+ 145 = \$	+ 290 = \$
<i>If the difference in Col. 1 is less than zero, Enter "0" in Col. 2</i>			Total \$	Total \$770.00

- ☒ A check in the amount of **\$770.00** to cover the filing fee is enclosed.
- ☐ A check in the amount of \$ is enclosed to cover the filing fee, PLUS the Assignment Recordation fee (\$40.00).
- ☐ Please charge my Deposit Account No. 50-0220 in the amount of \$
- ☒ The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:
- a. ☒ Additional filing fees under 37 CFR 1.16 for presentation of extra claims.
 - b. ☒ Additional patent application processing fees under 37 CFR 1.17.


Respectfully submitted,

 Mitchell S. Bigel
 Registration No. 29,614

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EV 318416789 US

Date of Deposit: November 17, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


 Susan E. Freedman
 Date of Signature: November 17, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Divisional for: Jae-hyun Joo, Wan-don Kim, Seok-jun Won, Soon-yeon Park
Application Serial No.: To Be Assigned
Filed: Concurrently Herewith
For: INTEGRATED CIRCUIT METAL-INSULATOR-METAL CAPACITORS
INCLUDING HEMISPHERICAL GRAIN LUMPS

November 17, 2003

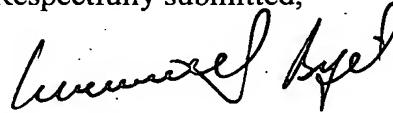
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REMARKS ACCOMPANYING DIVISIONAL APPLICATION

Sir:

The present divisional application is being filed for Claims 1-14 and 42-45 of the parent application, which has now been allowed. In the divisional, Claims 42-45 of the parent application have been renumbered as Claims 15-18. The title also has been changed to reflect the structural claims. Favorable examination and allowance of the present divisional application is respectfully requested.

Respectfully submitted,



Mitchell S. Bigel
Registration No. 29,614
Attorney for Applicants

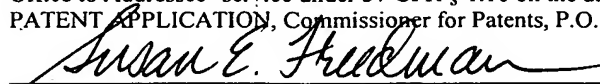
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Susan E. Freedman

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